Beijing Boao Laser Tech. Co., Ltd.
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BMD50 DPSSL Laser Marking Machines

BMD DPSSL Diode Pump Laser Marking Machine

Simple Introduction:

1.Mark all the metal products.
2.Laser Source : Diode pump laser
3. Model : BMD50 Series
4.Working time :20000 hours (5-6 years)
5.CE certificate
6.High quality and lowest price
7.Excellent service

Application &Materials:

It may engrave Metal and Non-Metal materials .More suitable for precision and high accuracy condition.

Application Industry:

Electronic Spare Parts, IC(Integrate Circuit),Electric
Appliance ,Mobile & Communication, Hardware, Tool Parts, Precision Apparatus, Glasses & Watch ,Jewelry ,Auto Parts ,Plastic &Rubber keyboard, Building Materials, PVC ,Medical Equipments etc.

Application Materials:

Metal and Alloy (Iron,Copper,Aluminum,Magnesium,Zinc etc), Rare metal and Alloy (Gold,Silver,Titanium),Metal Oxid,Special Surface Treatment,ABS Materials(Appliance Housing, Commodity)

Printing Ink(Transparent Keyboard,Printing Products, Epoxy resin(Electronic parts encapsulation, insulated Layer)

Product Features:

Semiconductor Pump Laser Marker belong to the Middle &Top level products of YAG Lasers. It has the features such as high quality, competitive price ,Low in process cost, More better marking effect, Reliability etc.

Entire Modular Design:

Each modular has the corresponding independent movement space, Mutually connect simply and directly .Maximum reduce the electromagnetism interference and Heat interference and has guarantee the system long time operation stability.

Professional Laser Cavity design :

The specialized laser resonant cavity design, guarantee the maximum optical efficiency and best laser pattern. At the same time ,it may reduce the temperature dependence .

Installation :

It may install the assembly production line ,excellent marking with high performance.

Technology Parameter:

Technology Parameter	
Output Power:	50W
Wavelength	1064nm
Beam quality	＜4
Repeat frequency	≤70kHz
Marking scope	110mm×110mm
Match Marking Scope:	70x70mm ,150x150mm ,200x200mm, 300x300mm
Marking Depth	Max. 0.3-0.5mm (stainless steel materials)
Linear speed	≤7000mm/s
Min. line width	0.015mm
Min. character size	0.2mm
Repeat accuracy	±0.003mm
Machine size:L*W*H (mm)	1200*1050*1280
Package size:L*W*H (mm)	1220 *1120*1400
Net weight (kg)	200
Gross weight(kg)	250
Input power	1.5 KW
Electrical source	220V/50Hz/15A

Main Parts Of BMD50A DPSSL Laser Marking Machine

No.	Parts Name	Amount	Standard Parameter	Manufacturer
1	Main Control Box	1set	BPD-01A	Beijing Boaolaser
2	Laser Marking Software	1set	Boao Laser Marking SystemVer2.0	Beijing Boaolaser
3	Semiconductor Laser Module	1pc	C.E.O	CEO (USA)
4	Laser Power Supply	1pc	C.E.O	CEO (USA)
5	Beam Expander	1pc	4times	RODENSTOCK (Germany)
6	High speed vibrating mirror	1set	±10v<1.2ms	GS (USA)
7	Q Head	1	QS27-5S-B	GOOCH (United Kingdom)
8	Q Drive	1	BJHZ-Q2750A	GOOCH (United Kingdom)
9	F-θ Lens	1	F-150mm	RODENSTOCK
10	Industrial Control System	1	2.0(socket478)/256/80G/CD-ROM	Taiwan
11	Computer Monitor	1	15″	Founder
12	D/A Control Card	1	16 bite D/4 output	Beijing Boaolaser
13	Cooled-water machine	1	PH-LW16-BHP	China
14	Three-Dimensional Worktable	1set	X、Y、Y three axis moving	Beijing Boaolaser

Main Parts of BMD50B DPSSL Laser Marking Machine

No.	Parts Name	Amount	Standard Parameter	Manufacturer
1	Main Control Box	1set	BPD-01A	Beijing Boaolaser
2	Laser Marking Software	1set	Boao Laser Marking SystemVer2.0	Beijing Boaolaser
3	Semiconductor Laser Module	1pc	C.E.O	CEO (USA)
4	Laser Power Supply	1pc	GTPC-50	China
5	Beam Expander	1pc	4times	Beijing Boaolaser
6	High speed vibrating mirror	1set	±10v<1.2ms	China
7	Q Head	1	NS2754S	NEOS (USA)
8	Q Drive	1	BJHZ-Q2750A	China
9	F-θ Lens	1	F-110mm	Beijing Boaolaser
10	Industrial Control System	1	2.0(socket478)/256/80G/CD-ROM	Taiwan
11	Computer Monitor	1	15″	Founder
12	D/A Control Card	1	16 bite D/4 output	Beijing Boaolaser
13	Cooled-water machine	1	PH-LW16-BHP	China
14	Three-Dimensional Worktable	1set	X、Y、Y three axis moving	Beijing Boaolaser

Main Parts of BMD50C DPSSL Laser Marking Machine

No.	Parts Name	Amount	Standard Parameter	Manufacturer
1	Main Control Box	1set	BPD-01A	Beijing Boaolaser
2	Laser Marking Software	1set	Boao Laser Marking SystemVer2.0	Beijing Boaolaser
3	Semiconductor Laser Module	1pc	GTPC-50	China
4	Laser Power Supply	1pc	GTPC-50	China
5	Beam Expander	1pc	4times	Beijing Boaolaser
6	High speed vibrating mirror	1set	±10v<1.2ms	China
7	Q Head	1	NS2754S	NEOS (USA)
8	Q Drive	1	BJHZ-Q2750A	China
9	F-θ Lens	1	F-110mm	Beijing Boaolaser
10	Industrial Control System	1	2.0(socket478)/256/80G/CD-ROM	Taiwan
11	Computer Monitor	1	15″	Founder
12	D/A Control Card	1	16 bite D/4 output	Beijing Boaolaser
13	Cooled-water machine	1	PH-LW16-BHP	China
14	Three-Dimensional Worktable	1set	X、Y、Y three axis moving	Beijing Boaolaser

Additional Parts of BMD 50 DPSSL Laser Marking Machine:

No.	Part Name	UNIT	Amount	Price
1	Protective Glasses	U	1	Free
2	User Manual	U	1	Free
3	Software manual.	U	1	Free
4	Warranty Letter	U	1	Free
5	Installation Tools	SET	1	Free
6	Chiller Filter	U	2	Free
7	CE Certificates Copy	U	1	Free
8	Training Video and Training Manual	U	1	Free

Protection Glasses:

We provide one set of Laser Protection Glasses for free,please check details below:

Pictures:

Features:

It exclusively designed for protecting eyes from any hurt when operating the laser equipments,so the operator must wear it,we provide a set of protection glasses for free,it is made of Hight polymer material and high optical absorbing material which can absorb efficiently. The glasses had been qualified by CAS(Chinese Academy of Sciences),it has CE and ISO9001:2000

Technology Parameters:

Applicable Laser Machine Types	Protection glass model number	Protection wavelength scope (nm)	Typical Laser Machine	Typical Laser Wavelenth(nm)	Photodensity	Visible Light Transmittance
BMD DPSSL Series BMD Scribing Series BML Nd:YAG Series BML Scribing Series BMK Welding Series	SD-3	800-1100	Nd:YAG Laser	1064	4+	40

Marking Samples Photo:

常州市林南特种电机厂
电话：0519-88788582

Company Photo:

Semi-Finished Machines	
Testing Area	**Finished Area**

2007 10 11

Package:

Product Name:BMD DPSSL Laser Marking Machine
(半导体激光打标机)
Certificates:ISO9001 and CE
From:Beijing Boao Laser Tech Co., Lad.(China)
To:Sea Hawk Marine & Allied Services Pvt. Ltd.
(India)
www.boaolaser.com
Made in China

2011 Laser Marking Machine Annual Report For Sales (BOAO Laser)

Machine Types	Quantity Unit (set)
BMF Fiber Laser Marking Machine	88
BMD50 Series Laser marking machine	216
BMC Co2 Laser marking Machine	18
BMC Flying Co2 Laser marking Machine	22
Green Laser Marking Machine	8
Soft Label Laser marking machine	4
Scales Laser Marking Machine	3
Nameplates Laser Marking Machine	5
Tires laser marking Machine	5
Guns Handles Laser Marking Machine	2
Big Round Products Laser Marker	1
Filters Laser Marking Machine	1
Bullets Laser Marking Machine	2
Auto Buttons Laser Marking machine	6
Solar Cells Laser Cutting Machine	38
TOTAL	329

2011 Laser Welding Machine Annual Report For Sales (BOAO Laser)

Machine Types	
BMK Series Jewellry Welding Machine	120
BMI Series Mould Welding machines	94
BMII Series	23
BMJ PCL Series	6
BMM CNC	48
BMM Multifunction Welding	16
TOTAL	307

Rate of Market:

China Market :55%

International Market :45%

CERTIFICATES

BACL
Bay Area Compliance Lab Corp.
6/F, the 3rd Phase of Wanli Industrial Building Shiliuo Road,
Futian Free Trade Zone, Shenzhen, Guangdong, China
www.baclcorp.com

ATTESTATION OF CONFORMITY

Date of Issue: 2008-07-16 Attestation Number: RSC080761001-3

Bay Area Compliance Laboratory Corp. hereby declares that testing has been completed and reports have been generated for;

Product: **Laser marking machine**

Models: **BMF Series ,BMDSeries,BMC Series**

Applicant: **Beijing Boao Laser Tech Co., Ltd.**
Room 912,C Building, GEM Tech Center,No.9,St.3, Shangdi, Haidian District, Beijing, China

And, in accordance with the following Applicable Directives;

2006/95/EC Low Voltage Directive (as amended)

That this product has been assessed against the following Applicable Standards;

LVD: **EN 60204-1: 2006, EN 60825-1: 1994+A1: 2002+A2: 2001**

Application of the CE Mark is permitted only after all applicable requirements are met in accordance with the European Union Rules including the manufacturer's issuance of a "Declaration of Conformity;" additional guidelines can be found at http://ec.europa.eu/enterprise/rtte/guide7.htm. This attestation is specific to the directive(s) stated above and compliance to additional directives may be required.

Attestation by: John Chan

Signature

2008-07-16
Date

Certificate CN07/00491

The management system of

Beijing Boao Laser Tech Co., Ltd.

Room C912,Jiahua Building, Xinxichanye Road, Haidian District, Beijing, P.R. China

has been assessed and certified as meeting the requirements of

ISO 9001:2000

For the following activities

Design and manufacture of laser etch marking machines

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization.

This certificate is valid from 30 September 2007 until 29 September 2010
Issue 1. Certified with SGS since September 2007

Authorised by

SGS United Kingdom Ltd Systems & Services Certification
Rossmore Business Park Ellesmere Port Cheshire CH65 3 EN UK
t +44 (0)151 350-6666 f +44 (0)151 350-6600 www.sgs.com

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WARRANTY SERVICE

-------Warranty Services(one Year)

Terms and Conditions :

1. This warranty is provided only for product purchased from Beijing Boao Laser Tech Co.,Ltd directly or authorized dealer of Beijing Boao Laser Tech Co.,Ltd (hereinafter called Boao Laser).
2. Boao Laser warrants this machine to be free from manufacturer's defects for a specified period.
3.Within the specified warranty period, Boao Laser will repair or replace non consumable parts (excluding cooled water, Cooling filter , cleanser and Largess such as tunable filters, protective glass etc.)that are damaged under normal use (by judgement of Boao Laser) at no additional charge.

4. The warranty will not be covered under the following conditions:

. **Out-of-warranty products.**
.The product is modified without Boao Laser approval.
.Obvious attack of appearance whatever it is.
.The product is subjected to unusual physical or electrical stress, including physical damage, burnt
.Components and broken connectors.
.The serial number label is removed or altered.

5. The customer is responsible for returning the defective product at his own expense.
6. Your warranty period is calculated from the date of received this product.

Remark:
During the Warranty Periods ,The Consumer can send their engineer go to Boao Laser for training ,the chargers is free(excluding air-fair, resident fair). The consumer need our engineer go to their country or company to training ,Boao Laser can assigned their engineer go to consumer country or company for training , the consumer need take charge of the relevant fee for our engineer such as air-fair, resident fair etc.(this Items can be discussed by two parts together)

Service Items :

1.we can resolve any problems for our laser marking machine within 48 hours . such as :you just let us know what kind of appearance happened from our machine then we can issue a complete resolving solution for you with photo and video .If the problems can not resolve and we will send our engineers or let our agent to resolve it for you.
2.During the warranty time ,we will free provide the spare parts for our laser marking machine.
3.we will provide the Training manual and video for our laser marking machine.
4.we will make the Technical Parameters settings special for your products and you just input parameters into our software then can process your products very well .
5.If possible, our company also free provide 2 days training for your engineers in our company.
6.we will provide detailed installation drawing(Electrical Diagram) and video for our customers once the machine has any problems.

Beijing Boao Laser Tech Co.,Ltd.
www.boaolaser.com